

Abstract

A system and method for implementing controlled multicast, wherein comprises Ethernet switch 1, multicast router 2, as well as portal server 3 and AAA server 4 that connect with the multicast router, where Ethernet switch 1 connects with each hosts of user in a downlink, in an uplink connects with multicast router 5 and implements multicast switch of layer 2; portal server 3 is used as an interface for access authentication of the user, AAA server 4 is used to store configuration of user privilege for joining in a multicast group; multicast router 2 connects with multicast router 5 of other systems in the uplink, and cooperates together with AAA server 4 to completes privilege authentication for the user when he joins in the multicast group, distributes a control command according to results of the authentication, and controls forwarding of the multicast made by Ethernet switch 1. The method according to the present invention can resolve better the authenticated authorization and controlled problem of the sender and receiver joining in the multicast, and can identify the host joining in or leaving the multicast group expediently, actively stop the user's group member identification through offline without any influence on the forwarding efficiency.